



1648

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## TRANSMITTAL FORM

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Total Number of Pages in This Submission

Application Number	09/515,014
Filing Date	February 29, 2000
First Named Inventor	Patrick F. Coleman et al.
Art Unit	1648 Tim Brown
Examiner Name	R. Budens

5 Attorney Docket Number

ENCLOSURES (Check all that apply)		
<input type="checkbox"/> Fee Transmittal Form	<input type="checkbox"/> Drawing(s)	<input type="checkbox"/> After Allowance Communication to Group
<input type="checkbox"/> Fee Attached	<input type="checkbox"/> Licensing-related Papers	<input type="checkbox"/> Appeal Communication to Board of Appeals and Interferences
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<input type="checkbox"/> After Final	<input type="checkbox"/> Petition to Convert to a Provisional Application	<input type="checkbox"/> Proprietary Information
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<input type="checkbox"/> Response to Missing Parts/ Incomplete Application		
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SIGNATURE OF APPLICANT, ATTORNEY, OR AGENT		
Firm or Individual	Townsend and Townsend and Crew LLP Brian W. Poor	Reg. No. 32,928
Signature		
Date	24 March 2003	

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By: Angie R.

PATENT

Attorney Docket No.02558P-002010US

**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re the application of:

Patrick F. Coleman et al.

Application No.: 09/515,014

Filed: February 29, 2000

For: SYNTHETIC ANTIGEN FOR THE  
DETECTION OF ANTIBODIES  
IMMUNOREACTIVE WITH HIV  
VIRUS

Examiner: R. Budens

Art Unit: 1648

**FIRST SUPPLEMENTAL  
INFORMATION DISCLOSURE  
STATEMENT**

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Assistant Commissioner for Patents  
Washington, D.C. 20231

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Dear Sir:

Applicants direct the Examiner's attention to the references below that have been recently cited in a Search Report in a corresponding foreign application. The references listed on the accompanying Form PTO-1449 and copies of the newly cited references are enclosed. Also enclosed is a copy of the European Search Report.

The following U.S. Patents are set forth below by issue date.

AM. U.S. Patent No. 5,075,211 issued on 12/24/91 to Cosand.

The following articles are set forth by the indicated year of publication date:

AN. Hickman et al., "Detection and Differentiation of HIV-1 group O sera from HIV-1 Group M and HIV-2 Using Recombinant Antigens and Peptides," *J. Virol. Meth.* 72:43-49 (1998).

AO. Monji N. et al., "Sensitive and Specific Hiv-1/HIV-2 EIA Using Env and Pol Synthetic Peptides," *Biosis* Database Accession No. PREV199698616393 XP001105703 (1995).

AP. Monji Nobuo et al., "Specific and Sensitive HIV-1/HIV-2 EIA Using Env and Pol Synthetic Peptides," Biosis Database Accession No. PREV199598347548 XP001105443 (1995).

AQ. Ivanov V. et al., "Study of the Antigenic Structure of Human Immunodeficiency Viruses by Means of Synthetic Peptides," Biosis Database Accession No. PREV199294121790, X002213768 (1992)

AR. D.E. Pollet et al., "Confirmation and Differentiation of Antibodies to Human Immunodeficiency Virus 1 and 2 with a Strip-Based Assay Including Recombinant Antigens and Synthetic Peptides" Clin. Chem. 37:1700-1707 (1991).

AS. Sprengers et al., "A MicroELISA System for the Detection of Both Anti-HIV-1 and Anti-HIV-2Antibodies," J. Immunol. Meth. 139:77-82 (1991).

AT. Wain-Hobson et al., "Nucleotide Sequence of the Aids Virus, LAV," Cell 10:9-17 (1988).

AU. Sternberg et al., "Prediction of Antigenic Determinants and Secondary Structures of the Major AIDS Virus Proteins," FEBS Lett. 218:231-237 (1987).

It is respectfully requested that the cited references be expressly considered during the prosecution of this application, and the references be made of record therein and appear among the "references cited" on any patent to issue therefrom.

Applicants believe that their invention as claimed is patentable over the above references taken alone or in any combination. However, Applicants reserve the right to demonstrate that their claimed invention was made prior to any one or more of the above-identified references. As provided for by 37 C.F.R. § 1.97 (g) and (h), no inference should be drawn as to the pertinence of the references based on the order in which they are presented.

Applicants respectfully request that the Examiner review the foregoing references to make his own determination of the patentability of the present invention and that the references be made of record in the file of this application. This Information Disclosure Statement is being filed before the mailing date of the final Office Action or Notice of Allowance.

Patrick Coleman et al.  
Application No.: 09/515,014  
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PATENT  
02558P-002010US

CERTIFICATION

I hereby certify that each item of information contained in this Information Disclosure Statement was first cited in any communication from a foreign patent office in counterpart foreign application not more than three months prior to the filing of this statement.

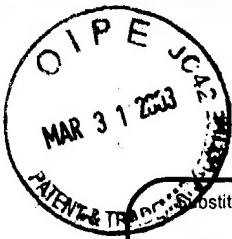
Applicant believes that no fee is required for submission of this statement. However, if a fee is required, the Commissioner is authorized to deduct such fee from the undersigned's Deposit Account No. 20-1430. Please deduct any additional fees from, or credit any overpayment to, the above-noted Deposit Account.

Respectfully submitted,

Dated: 24 March 2003

By: Brian W. Poor  
Brian W. Poor  
Reg. No. 32,928

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet 1 of 1

**Complete if Known**

Application Number	09/515,014
Filing Date	February 29, 2000
First Named Inventor	Patrick F. Coleman et al.
Art Unit	1648
Examiner Name	R. Budens
Attorney Docket Number	02558P-2-1US

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**U.S. PATENT DOCUMENTS**

Examiner	Cite No. <sup>1</sup>	Document Number Number Kind Code <sup>2</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear
	AM	5,075,211	12/24/91	Cosand	

**FOREIGN PATENT DOCUMENTS**

Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document Country Code <sup>3</sup> Number <sup>4</sup> Kind Code <sup>5</sup> (if known)	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages or Relevant Figures Appear	T <sup>6</sup>
						<input type="checkbox"/>

**OTHER PRIOR ART -- NON PATENT LITERATURE DOCUMENTS**

Examiner Initials *	Cite No. <sup>1</sup>	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T <sup>2</sup>
	AN	Hickman et al., "Detection and Differentiation of HIV-1 group O sera from HIV-1 Group M and HIV-2 Using Recombinant Antigens and Peptides," <i>J. Virol. Meth.</i> 72:43-49 (1998).	
	AO	Monji N. et al., "Sensitive and Specific Hiv-1/HIV-2 EIA Using Env and Pol Synthetic Peptides," <i>Biosis</i> Database Accession No. PREV199698616393 XP001105703 (1995).	
	AP	Monji Nobuo et al., "Specific and Sensitive HIV-1/HIV-2 EIA Using Env and Pol Synthetic Peptides," <i>Biosis</i> Database Accession No. PREV199598347548 XP001105443 (1995).	
	AQ	Ivanov V. et al., "Study of the Antigenic Structure of Human Immunodeficiency Viruses by Means of Synthetic Peptides," <i>Biosis</i> Database Accession No. PREV199294121790, X002213768 (1992)	
	AR	D.E. Pollet et al., "Confirmation and Differentiation of Antibodies to Human Immunodeficiency Virus 1 and 2 with a Strip-Based Assay Including Recombinant Antigens and Synthetic Peptides" <i>Clin. Chem.</i> 37 1700-1707 (1991).	
	AS	Sprengers et al., "A MicroELISA System for the Detection of Both Anti-HIV-1 and Anti-HIV-2Antibodies," <i>J. Immunol. Meth.</i> 139:77-82 (1991).	
	AT	Wain-Hobson et al., "Nucleotide Sequence of the Aids Virus, LAV," <i>Cell</i> 10:9-17 (1988).	
	AU	Sternberg et al., "Prediction of Antigenic Determinants and Secondary Structures of the Major AIDS Virus Proteins," <i>FEBS Lett.</i> 218 P231-237 (1987).	

Examiner Signature	Date Considered
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EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

<sup>1</sup> Applicant's unique citation designation number (optional). <sup>2</sup> Applicant is to place a check mark here if English language Translation is attached.

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